



Filename: 207A232X1LN18W40K

Manufacturer: TEXAS FLUORESCENTS

Lamp Output: Total luminaire Lumens: 1037.367

Max Candela: 1,157.3 at Horizontal: 0°, Vertical: 0°

Input Wattage: 35.7

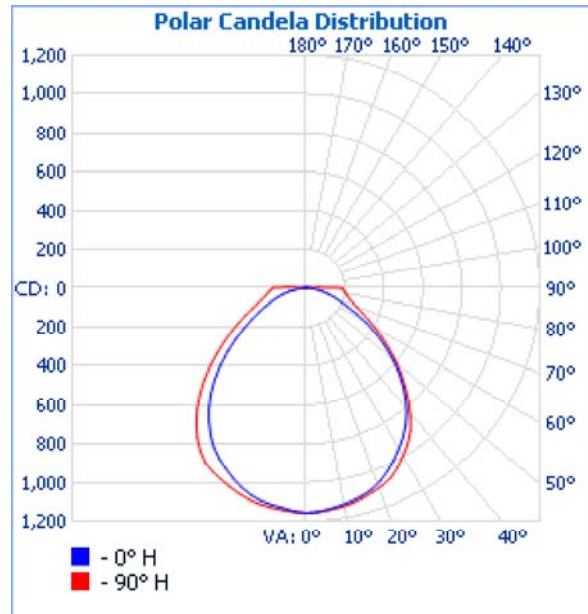
Luminous Opening: Rectangle w/Luminous Sides (L: 47.99", W: 7.76", H: 2.99")

Test: 207A232X1LN18W40K

Test Date: 06-Jun-2017 16:05:31

Test Lab: Radiant Vision Systems ProSource

Photometry : Type C



Roadway Summary

Cutoff Classification:	N/A	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	186.6	
Max Cd, 80 to <90 Deg:	209.2	
	Lumens	% Lamp
Downward Street Side:	1,562.0	50.2%
Downward House Side:	1,521.2	48.9%
Downward Total:	3,083.2	99.1%
Upward Street Side:	14.6	0.5%
Upward House Side:	15.0	0.5%
Upward Total:	29.6	1%
Total Lumens:	3,112.8	100%

Flood Summary

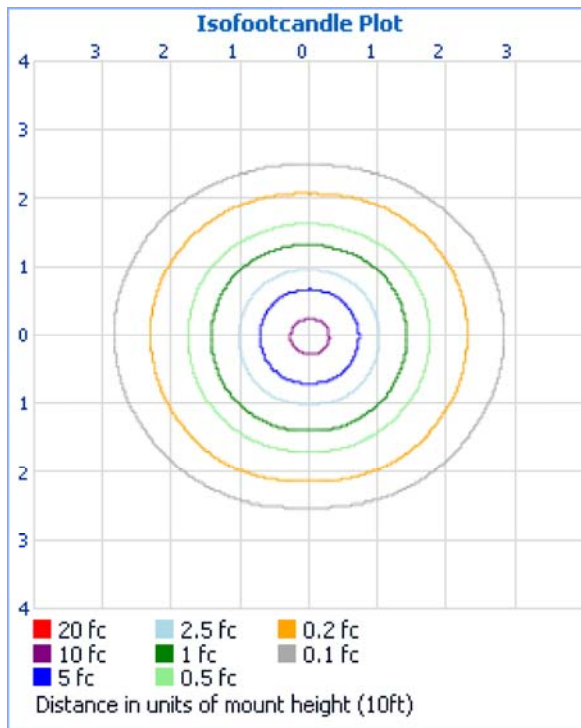
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.7%	3,040.9	n/a	150.7
Beam (50%):	67%	2,086.7	104.9	99
Total:	100%	3,112.1		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	902.7	29%
0-40	1,472.8	47.3%
0-60	2,469.0	79.3%
60-90	613.6	19.7%
70-100	342.0	11%
90-120	29.6	1%
0-90	3,082.5	99%
90-180	29.6	1%
0-180	3,112.1	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	109.0	3.5%	90-100	29.5	0.9%
10-20	315.4	10.1%	100-110	0.0	0%
20-30	478.2	15.4%	110-120	0	0%
30-40	570.1	18.3%	120-130	0	0%
40-50	555.1	17.8%	130-140	0	0%
50-60	441.1	14.2%	140-150	0	0%
60-70	301.0	9.7%	150-160	0	0%
70-80	190.6	6.1%	160-170	0	0%
80-90	121.9	3.9%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	400 fc	4.0 ft	4.4 ft
3.3ft	106 fc	7.7 ft	8.6 ft
5.0ft	46.3 fc	11.7 ft	13.0 ft
6.7ft	25.8 fc	15.7 ft	17.4 ft
8.3ft	16.8 fc	19.4 ft	21.6 ft
10.0ft	11.6 fc	23.4 ft	26.0 ft

■ Vert. Spread: 99.0°
■ Horiz. Spread: 104.9°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.01	1.01	1.01	1.01	1.01	1.01	1.01	.99
1	1.08	1.03	.99	.95	1.05	1.01	.97	.83	.96	.93	.90	.90	.92	.90	.87	.87	.89	.86	.84	.84	.89	.86	.84	.82
2	.99	.90	.84	.78	.96	.88	.82	.70	.85	.79	.75	.75	.81	.77	.73	.73	.78	.75	.71	.71	.78	.75	.71	.69
3	.90	.80	.72	.65	.88	.78	.71	.60	.75	.69	.63	.63	.72	.67	.62	.62	.70	.65	.61	.61	.70	.65	.61	.59
4	.83	.71	.62	.56	.81	.70	.62	.52	.67	.60	.54	.54	.65	.59	.54	.54	.62	.57	.53	.53	.62	.57	.53	.51
5	.76	.64	.55	.48	.74	.63	.54	.46	.60	.53	.47	.47	.58	.52	.47	.47	.56	.51	.46	.46	.56	.51	.46	.44
6	.71	.58	.49	.42	.69	.57	.48	.41	.55	.47	.42	.42	.53	.46	.41	.41	.51	.45	.41	.41	.51	.45	.41	.39
7	.66	.52	.44	.38	.64	.51	.43	.36	.50	.42	.37	.37	.48	.42	.37	.37	.47	.41	.36	.36	.47	.41	.36	.34
8	.61	.48	.39	.34	.60	.47	.39	.33	.46	.38	.33	.33	.44	.38	.33	.33	.43	.37	.33	.33	.43	.37	.33	.31
9	.57	.44	.36	.30	.56	.43	.36	.30	.42	.35	.30	.30	.41	.35	.30	.30	.40	.34	.30	.30	.40	.34	.30	.28
10	.54	.41	.33	.28	.52	.40	.33	.27	.39	.32	.27	.27	.38	.32	.27	.27	.37	.31	.27	.27	.37	.31	.27	.25

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	2
0	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157
3	1154	1153	1153	1154	1153	1153	1154	1154	1154	1154	1153	1153	1152	1151	1150	1150	1149	1149	1150	1150	1150	1150	1152
6	1143	1143	1144	1145	1146	1146	1147	1148	1148	1147	1146	1145	1143	1141	1140	1139	1137	1137	1138	1140	1143	1146	1146
9	1132	1134	1138	1140	1141	1142	1143	1143	1142	1141	1141	1140	1138	1135	1132	1130	1129	1128	1129	1130	1135	1138	1138
12	1121	1126	1133	1136	1136	1135	1138	1139	1136	1133	1133	1134	1133	1129	1125	1122	1120	1118	1118	1118	1121	1125	1125
15	1107	1111	1118	1120	1116	1117	1125	1130	1125	1119	1120	1124	1121	1116	1109	1106	1103	1100	1101	1100	1103	1109	1109
18	1089	1090	1091	1098	1095	1096	1108	1117	1112	1104	1104	1106	1103	1094	1087	1083	1076	1076	1076	1078	1080	1090	1090
21	1062	1064	1068	1080	1081	1080	1090	1099	1095	1089	1086	1085	1080	1069	1062	1056	1045	1043	1046	1050	1054	1066	1066
24	1029	1034	1042	1049	1058	1059	1069	1076	1072	1068	1063	1058	1049	1037	1026	1015	1009	1008	1014	1018	1022	1028	1028
27	991	995	1003	1010	1021	1027	1039	1045	1043	1034	1033	1027	1016	1002	989	977	971	975	982	981	981	991	991
30	952	951	963	972	981	989	1001	1007	1008	995	1000	994	979	966	954	942	935	937	946	938	943	959	959

33	913	913	924	938	948	956	963	960	964	956	959	948	936	927	919	905	891	889	900	893	905	929
36	871	874	880	898	906	914	921	912	911	910	908	892	884	875	871	863	836	832	848	844	860	892
39	820	824	834	839	848	857	862	863	856	852	853	835	824	812	805	800	787	773	792	787	813	830
42	763	763	778	782	793	794	798	799	793	787	790	770	766	751	742	733	732	713	731	723	754	761
45	703	699	716	723	735	730	729	730	723	722	720	705	703	689	680	664	664	648	664	658	685	690
48	637	636	654	662	669	664	658	662	651	657	649	641	638	623	618	603	590	579	592	592	614	629
51	566	576	581	594	597	597	590	592	591	590	584	577	574	559	551	545	509	514	518	527	535	570
54	495	507	517	513	521	530	520	525	531	525	520	520	508	502	483	472	446	449	447	458	470	493
57	427	433	444	444	455	459	458	460	471	465	463	464	449	445	429	406	383	387	382	394	401	421
60	360	362	371	378	390	393	401	404	410	411	409	408	393	386	376	347	332	329	324	335	343	358
63	290	298	313	319	328	338	349	356	357	361	361	357	348	335	319	300	294	278	272	283	299	308
66	228	240	251	271	279	291	298	311	312	318	319	313	307	293	271	262	245	231	226	235	248	267
69	183	186	204	221	233	245	257	270	278	283	282	277	268	249	231	220	201	189	186	194	204	222
72	149	150	167	181	197	210	226	240	253	256	253	250	234	213	201	184	166	153	152	157	169	186
75	117	119	132	146	163	182	198	220	233	235	231	227	206	187	169	150	136	122	121	125	138	154
78	86	89	104	120	136	160	178	203	216	219	215	208	185	164	143	124	110	94	93	95	110	126
81	64	67	84	102	118	144	165	192	204	209	204	193	167	144	119	101	85	66	62	65	84	100
84	41	49	60	82	100	127	153	182	194	200	196	180	155	128	96	80	61	45	37	46	57	77
87	22	31	41	62	84	114	143	174	178	192	179	168	142	109	81	57	38	26	14	23	36	51
90	8	17	29	48	73	108	140	167	169	187	174	152	136	99	69	43	22	12	2	9	24	44
93	0	2	8	16	23	39	47	65	55	64	61	73	59	43	30	20	10	3	1	3	12	25
96	0	0	1	1	1	2	4	7	5	4	7	8	6	4	3	2	1	0	0	0	2	3
99	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Luminaire Report Summary

IESNA:LM-63-2002
[TEST]207A232X1LN18W40K
[TESTLAB]Radiant Vision Systems ProSource
[ISSUEDATE]6/7/2017 6:07:51 AM
[TESTDATE]06-Jun-2017 16:05:31
[MANUFAC]TEXAS FLUORESCENTS
[LAMP]
[_NUMBEROFRAYS]10000000
[OTHER]Absolute Photometry measurement

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.